

STRATELO



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## NEWS RELEASE



Caption: ARTEMIS airborne capabilities are available for use on uncrewed and crewed rotary and fixed-wing platforms. The system can be easily integrated onto small/medium size UAV's as seen here.

AAUS ROTORTECH 2022 Conference, Brisbane, Australia. For immediate release.

### Turning a Mobile Phone into a Beacon with a UAV based Cellular Search and Rescue Solution

*Opportunities for Australian SAR agencies to dial into mobile phone technology innovation showcased at AAUS ROTORTECH 2022 Conference, 22-23 June presentation by Kim Blacker MD and founder of Stratelo*

Tuggerah NSW, Australia: Date 9 June 2022 ---- Mobile phones hold the key to speedy and pinpoint location of people who are lost and offer a key opportunity to augment search and rescue (SAR) services in Australia, according to Kim Blacker MD and founder of [Stratelo](#), based north of Sydney, who will make a presentation on SAR technology innovation at [AAUS ROTORTECH 2022 Conference](#), in Brisbane, on 22 June, the first day of the conference.

The search and rescue system in Australia has returned an average of 2,000 people per year, to their families who might have otherwise perished on the seas, in the mountains, or in the outback, according to the [Australian Institute for Disaster Resilience](#).

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Meanwhile, the Australia National SAR Council reports that the SAR system is used every day of the year with an average of five incidents occurring daily. \*

With Australia's vast territory, often unforgiving climate and largely unpopulated interior SAR is a key service, pulling together a range of agencies including Commonwealth, Federal and State, across civilian, police and defence resources.

"Many people who are lost, injured or in a disaster area are in possession of a working mobile phone, even if they are in an area with no mobile coverage," says Kim Blacker, who will explain how a UAV mounted cellular search and rescue solution can use a mobile phone as a rescue beacon to quickly and inexpensively geolocate the person(s) of interest and, if they are conscious and able, communicate with them.

Cellular based search and rescue tools such as [Smith Myers' ARTEMIS](#) solution can weigh as little as half a kilogram and has been integrated onto relatively inexpensive commercial UAVs through to larger air certified systems for manned fixed and rotary winged aircraft.

Use cases spotlighted in the presentation include search and rescue, disaster relief and border security. Points covered will include geolocation techniques and how the range of geolocation can vary from a few kilometres to tens of kilometres depending on topography, the cellular environment and power of the cellular search and rescue solution deployed.

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Note to Editors:

\*(National SAR Council Report 2013).

#### **About the speaker:**

**Kim Blacker** is the founder and managing director of Stratelo Pty Ltd who provide solutions for critical technology applications in the areas of defence, police, security and emergency services. Kim focuses on understanding his customer's technical and business requirements and then finding or developing solutions. At Stratelo, Kim has partnered with several international partners including Smith Myers (UK), Epiq Solutions (USA) and SRT (USA) who provide a range of solutions in areas such as RF, mobile, WiFi, Bluetooth and satellite.

Kim has been involved in the mobile industry in business and technical roles in Australia for over 25 years. Prior to founding Stratelo, Kim spent 10 years as the

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Business Director for Asia Pacific at Telsis where he worked closely with their major partner Ericsson to help mobile operators implement solutions in countries ranging from Australia and New Zealand to Japan and Pakistan. Kim has formal qualifications in business and electronic engineering and started his career in a technical role with the Department of Defence.

**About: Stratelo** [www.stratelo.com](http://www.stratelo.com)

Stratelo provide an extensive range of telecommunication solutions and services that address critical customer applications. We partner with leading international vendors, develop customised solutions and provide detailed consulting, engineering and technical support services to our customers.

**About: Smith Myers** [www.artemis.smithmyers.com](http://www.artemis.smithmyers.com)

Smith Myers Communications Ltd is an award-winning UK company specialising in the design, development, manufacture and support of application specific cellular network and handset capabilities for Network Operators, Government Agencies, Law Enforcement, Military, and Search and Rescue organisations. Awards include: Royal Aeronautical Society Silver Medal; ADS Security Innovation Awards, British Engineering Excellence Award, and ICCA (International Critical Communications) Award.

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